



## Product Information

**Product ID** G1749

**CAS No.** 25812-30-0

**Chemical Name** 5-(2,5-Dimethylphenoxy)-2,2-dimethylpentanoic acid

**Synonym** Decrelip, Genlip, Lipozid, Lipur, Lipid

**Formula** C<sub>15</sub>H<sub>22</sub>O<sub>3</sub>

**Formula Wt.** 250.33

**Melting Point** 61-63 °C

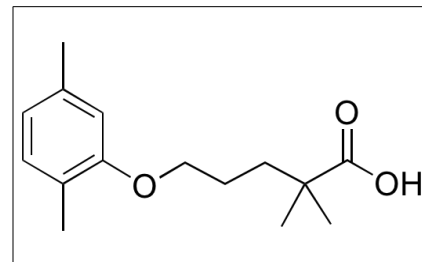
**Purity** ≥98%

**Solubility** Soluble in water and acid  
(0.0019%). Soluble in dilute  
base (>1%).

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Gemfibrozil is a fibrate that exhibits anti-hyperlipidemic and antibacterial activities. Gemfibrozil activates PPARα, increasing synthesis of lipoprotein lipase, which results in decreases in serum total cholesterol, VLDL, LDL, and triglyceride levels and increases in serum HDL levels and ApoA expression. In vitro, gemfibrozil also inhibits enoyl-CoA reductase, preventing fatty acid synthesis and suppressing growth in species of *Legionella* and *Mycobacterium*.



**Bulk quantities available upon request**

Product ID	Size
G1749	1 g
G1749	5 g
G1749	25 g

**References** Reich-Slotky R, Kabbash CA, Della-Latta P, et al. Gemfibrozil inhibits *Legionella pneumophila* and *Mycobacterium tuberculosis* enoyl coenzyme A reductases and blocks intracellular growth of these bacteria in macrophages. *J Bacteriol.* 2009 Aug;191(16):5262-71. PMID: 19429621.

Sirtori CR, Franceschini G, Gianfranceschi G, et al. Activity profile of gemfibrozil on the major plasma lipoprotein parameters. *Eur J Epidemiol.* 1992 May;8 Suppl 1:120-4. PMID: 1505648.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.